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PATENT SPECIFICATION

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(Drawings (3 sheets) attached.

COMPLETE SPECIFICATION.

"AMUSEMENT APPARATUS."

The following statement is a full description of this invention, including the best method of performing it known to me:-

This invention has reference to token- or coin-free amusement apparatus of the type sometimes referred to as poker machines. Such machines include as a rule three freely rotatable drum-like spinning wheels, each wheel having attached to its circumference a number of playing cards or other symbols in equidistant arrangement, mechanism for setting these wheels spinning by the manual actuation of a handle after a token or coin has been inserted into said mechanism, as well as a pay-out mechanism which for predetermined combinations of the cards or symbols appearing in register on the wheels behind a window for their observation releases a predetermined number or numbers of tokens or coins to the player.

Such machines are known and certain parts thereof will be described herein only to the extent as this is required for the understanding of the invention the subject of this present application.

It is also known for machines of the type referred to to combine same with an additional so-called bonus mechanism which in certain circumstances causes the machine to pay out to

the player a special bonus or reward which may consist of a number of coins released by the machine. In such a machine for instance the letters B, O, N, U and S appear in their succession on every fourth card of one particular spinning wheel, e.g. on the first spinning wheel of the series. Besides this there are in that case provided, behind a special window above the wheels, five separate flaps or equivalent elements carrying respectively the letters B, O, N, U and S in their succession. In machines of this type mechanism is provided which, when said first spinning wheel comes to a halt, for instance in a position in which the letter B appears in the window for the observation of that spinning wheel, causes the flap carrying the letter B to show up in the upper window and to remain in that position until a bonus is paid out by the machine. Further mechanism in the known machine then causes the flap with the letter O to show up and to remain visible when, after an indefinite number of operations of the machine, the same spinning wheel comes to a halt in a position in which the letter O appears in said window. Still further and equivalent mechanisms effect in their succession the showing up of the flaps carrying the letters N, U and S, and finally, when a bonus is paid out, the return of all five flaps to their invisible positions.

Due to the provision of separate mechanism for the operation of each flap, the known machines embodying such bonus mechanism are very complicated in design and, besides this, difficult to adjust when due to certain inadequacies the card wheel controlling the bonus device gets out of timing.

With the foregoing in view the main object of the present invention is to provide an improved bonus pay-out device for machines of the type referred to, which is simpler in design and more reliable than the known mechanism.

Another object of this invention is to provide an improved type of mechanism, hereafter termed "bonus mechanism" for short, wherein the aforementioned flaps and the individual mechanisms for their operation, are replaced by a single indication roller associated with a single mechanism which during each of its operations causes said roller to rotate, say, through 1/5th of its circumference only. The indication roller then carries on its periphery, in their succession, for instance the indications "B" "BO" "BON" "BONU", as well as a blank space. Due to the partial rotation of the drum these indications are made to show up in their succession behind a window for the observation of the roller, the blank space in particular appearing at the instant when a bonus or premium is paid out by the machine.

In accordance with the invention, the amusement apparatus includes a casing, a number of spinning wheels therein, a series of equidistant symbols on the periphery of said wheels, a

coin- or token-freed actuating handle for setting the wheels spinning, pay-out mechanism arranged to release a predetermined number of tokens or coins whenever the spinning wheels come to a halt with selected symbols on the wheels in predetermined relative positions behind a window or windows of said casing, and it is further characterised by the provision of additional selector mechanism controlled by one only of said spinning wheels which carries a selected number of additional symbols in selected mutual arrangement, said single wheel being associated with control mechanism operative if and when said additional symbols come to a halt, in a predetermined sequence, in front of the window for the observation of said wheel, said selector mechanism comprising a single indication roller behind a further window of the casing, and the arrangement being such that said indication roller is rotated through a predetermined angle if and when one of said additional symbols comes to a halt in front of said first-mentioned window, in the proper sequence relatively to the remaining additional symbols, said indication roller being so operatively coupled with the pay-out mechanism that the latter releases a number of tokens or coins each time said indication roller completes a full revolution from a selected starting position.

In order to more particularly describe the invention reference is made to the accompanying drawings which, by way of example only, illustrate a coin- or token-operated machine incorporating a specific embodiment of the improved bonus mechanism, and wherein:-

Fig. 1 is a perspective view of the machine in its entirety;

Fig. 2 is a perspective view showing the assembled operative parts of the machine removed from the machine casing;

Fig. 3 is a perspective view of the essential parts which effect operation of the indication roller of the bonus mechanism from a spinning wheel of the machine;

Fig. 4 is a perspective rear view of various parts shown in Fig. 3;

Fig. 5 is a sectional elevation taken on plane 5-5 of Fig. 4;

Fig. 6 is a view showing the un-rolled surface of the indication cylinder;

Fig. 7 is a perspective end view of the machine showing particularly the pay-out mechanism of the machine;

Figs. 8 to 12 are fragmentary perspective views revealing various details of the pay-out mechanism; and

Fig. 13 is a central sectional elevation through the assembled spinning wheels and parts associated with them.

The single indication roller 11 of the bonus mechanism

is provided on a horizontal spindle 12 behind a window 16 (Fig. 1) of the casing 10, above the spinning wheels 13, 14 and 15 of the machine, the window 16 being disposed at an appropriate distance above windows 17A, 17B and 17C for the observation of these spinning wheels. For the purpose of enabling accurate adjustment of the roller 11 on its spindle in relation to the window 16, it is preferably secured to said spindle by means of a clamp 18, or by equivalent fixation means. As pointed out above, the cylindrical roller surface is in the present case circumferentially subdivided into five equal parts or zones of 72 degrees each, said zones containing, respectively, and in their succession the indications "B" "BO" "BON" "BONU" and a blank space 11 A (Fig. 6).

At an appropriate distance from one end of the roller 11 the spindle 12 carrying said roller has secured to it a five-toothed ratchet wheel 19 adapted for engagement by a spring-loaded pawl 20 (Figs. 4 and 5) which is pivoted at 41 to a substantially vertical operating bar 21, the arrangement being such that adequate downward movement of the operating bar 21 will cause the pawl 20 to strike a tooth of said ratchet 19, and will thereby turn the ratchet and the indication roller 11 through one fifth of a single revolution. A second spring-loaded pawl 22 (Fig. 5) which co-operates with the ratchet wheel 19, and more particularly with a flat surface element 19' of each tooth of the ratchet 19, prevents the latter from rotating through an angle larger than 72 degrees and also from rotating backwards when the operating pawl 20 returns to its position of rest.

Pivoted at 40 on a bracket 21A which is fastened to a bar 21 below the operating pawl 20 is a lever 23 associated with a tension spring 23A (Fig. 4), lever 23 being hereafter termed the selector lever. Lever 23 is arranged above a circular disc 24 - the selector disc - , the disc 24 being freely rotatable about a stationary spindle 43 which also supports the spinning wheels 13, 14 and 15 of the machine (Fig. 13). As may be seen from Figs. 2 and 7, the ends of the spindle 43 are secured to the sides 25 and 70 of the supporting frame of the machine.

The operating bar 21 itself is substantially vertically displaceable along the upright side 25 of the machine frame. A spring 26 is attached to a pin 25A of the operating bar 21, the pin 25A projecting through a slot 25B of the side 25 (Fig. 2) of the machine frame. The spring 26, whose lower end is attached to the frame side 25 at 26B, tends to pull the bar 21 downwardly towards the bottom 27 of the machine (Fig. 2). Normally however, the spring 26 is prevented from moving the operating bar 21 beyond a predetermined point either - as will be seen later on - by the selector lever 23, or, during the operation of the machine, by a holding finger or arm 28 (Fig. 3) disposed sub-

stantially below the operating bar 21, and by a rotary stop 29 on said bar, the stop 29 being then engaged and thus supported by the upper end of the holding arm 28. The arm 28 is pivoted to the bar 21 at 28A to permit angular adjustment in a vertical plane. Arm 28 is adapted for cooperation with an arm 31 swingable about a pivot pin 31A in a horizontal plane, arm 31 being hereafter termed the wheel release arm. The latter cooperates with three stopping bars 33, 34, 35 for the spinning wheels 13, 14 and 15 respectively. Each said stopping bar is adapted to engage a sprocket 36, 37 and 38 respectively, each having 20 teeth and being rigidly associated with the spinning wheel which the respective bar 33, 34 or 35 has to control.

The wheel release arm 31 and the stopping bars 33, 34, 35 form part of the mechanism of known machines and do not require detailed description. It ought to be mentioned however that the stopping bars are normally held each by a spring 76, 77 and 78 respectively in engagement with the respective sprocket 36, 37 and 38, and thereby prevent the spinning wheels 13, 14 and 15 from rotating. If, however, the machine is actuated by the operation of a handle lever 51 (Fig. 1), after the insertion of a token or coin into the machine through a slot 71 and associated coin testing mechanism (not shown), the wheel release arm 31 is removed from its position of rest and is thereafter automatically returned to its position of rest within a predetermined period by a spring 79, the operation of which is governed by a clockwork motor 79A.

The operative edge 39 (Figs. 2, 3 and 12) of the wheel release arm 31 is so designed that for stopping of the spinning wheels 13, 14, 15, it acts on the rollers 75, 74, 73 on the stopping bars in a desired sequence. The teeth of each sprocket 36, 37 and 38 are so aligned with the cards on the particular spinning wheel 13, 14 or 15, and the operative engaging elements 33A, 34A and 35A of the three stopping arms 33, 34, 35 so arranged, that stopping of the three wheels 13, 14 and 15 in accurate register with the windows 17A, 17B and 17C, respectively, of the machine casing 10 is assured.

The length of the selector lever 23 and the distance of its pivot 40 from the pivot 41 of the operating pawl 20 for the bonus roller spindle 12 are so dimensioned that, when the operating bar 21 is supported in its normal position by the holding arm 28, the lower end 42 of the selector lever 23 clears the periphery of the selector disc, 24. At the same time the pivot 41 of the operating pawl 20 is in such a position in relation to the ratchet 19 on the bonus roller spindle 12, that the pawl 20 clears the ratchet 19 and is therefore inoperative.

The selector disc 24 is freely rotatable on a sleeve 13A which itself is freely rotatable about the stationary spindle 43

which carries the spinning wheels. The first spinning wheel 13 is secured to said rotatable sleeve 13A (Fig. 13), the spinning wheel 13 controlling alone the bonus mechanism according to the invention. The selector disc 24 is disposed adjacent to a star wheel 44 which has five teeth and is rigidly coupled with the twenty-toothed sprocket 36 associated with the first spinning wheel 13. The star wheel 44 therefore is itself rigidly coupled with the wheel 13.

The selector disc 24 is provided in its periphery with a single notch 46 (Figs. 3 and 4). Moreover it carries a pawl 47 - the selector pawl - which is associated with a loading spring 48 and is at any time resiliently accommodated within an interspace between a pair of adjoining teeth of the star wheel 44. Thereby the pawl 47 effects coupling of the star wheel 44 with the selector disc 24 and, consequently, also with the first spinning wheel 13 in one of five positions.

The positions of the selector disc 24 relatively to the star wheel are determined by the condition that, when the notch 46 in the periphery of the selector disc 24 is in a position facing the selector lever 23, the first spinning wheel 13 is in a position in which one of the cards bearing the letters "B", "O", "N", "U" or "S" appears in the window 17A for the observation of the spinning wheel 13.

The parts 44, 47, 24, 46, 42, 23, 21, 20 and 19 described in the foregoing paragraphs are the essential parts of the selector mechanism of the improved bonus mechanism which, quite independently of the remaining parts of the machine operates as follows:

Let it be assumed that the indicating roller 11 is in a starting position wherein its blank surface part 11A (Fig. 6) is visible through the window 16 in front thereof. A further assumption to be made is that the aforementioned selector pawl 47 engages the one interspace of the associated star wheel 44 by the engagement of which the selector disc 24 is so coupled with the star wheel 44 that the notch 46 in its periphery will come to a halt exactly beneath the selector lever 23 if the letter "B" (Fig. 3) on a card of the first spinning wheel 13 appears within the window 17A for the observation of that wheel.

When the machine is at rest, the operating bar 21 is supported by the selector lever 23 which engages the periphery of the selector disc 24, whereby the operating pawl 20 is kept clear of the ratchet 19 connected with the indicating roller 11. Whenever the machine is operated, after the insertion of a token, coin or coins, the operating arm 21 is lifted by a lever 50 (Fig. 4) actuated by the operating handle 51 of the machine, is then held in raised position by the spring-loaded holding arm 28 and is made to return under the action of its spring 26 when the

wheel release arm 31 returns to its normal position of rest and thus causes, by engaging the bottom end of the holding arm 28, the removal of the latter from its supporting position, against the action of the spring 30 of the holding arm 28.

If during any of these operations the first spinning wheel 13 comes to a halt in front of its window 17A in any position except that showing the letter "B" in the window of the spinning wheel, the operating bar 21 will return only to its starting position, due to the action of the selector lever 23 which, during the downward movement of the bar 21, strikes the periphery of the selector disc 24 and thus prevents the said bar from moving further downward.

If however, the spinning wheel 13 happens to come to a halt with the card showing letter "B" behind the window 17A for its observation, the notch 46 in the periphery of the selector disc 24 comes to a halt exactly beneath the selector lever 23. Therefore the tip 42 of the selector lever 23 enters the notch 46 and permits the operating lever 21 to move further downwardly at an instant when the holding arm 28 has been removed from its upright supporting position by the action of the release arm 31, and the first spinning wheel 13 and the star wheel 44 are both locked by the stopping arm 33 which engages the sprocket 36 associated with the spinning wheel 13. The power exerted by the operating bar 21 upon the selector disc 24 during that phase causes the selector pawl 47 to leave its position within the aforementioned interdental space of the star wheel 44 and to move into the adjoining interdental space of the star wheel. In the changed position of the selector pawl 47 the selector disc 24 is so coupled with the star wheel 44 that the notch 46 in its periphery will only come to a halt exactly beneath the selector lever 23, when during the following series of operations of the machine the first spinning wheel 13 comes to a halt with the letter "O" behind the window 17A.

The increased downward movement of the operating bar 21 in the last-described operational phase will also cause the pawl 20 on that bar to strike a tooth of the ratchet 19 on the spindle 12, the second spring-loaded pawl 22 limiting to 72 degrees the rotation of the ratchet 19 and hence, via the spindle 12, of the indication roller 11 itself. This has the effect that now the letter "B" on the indication roller 11 appears in the window 16.

It will be understood from the foregoing that due to the changed position of the selector disc 24 relatively to the adjoining star wheel 44 a further operation of the ratchet 19 on the spindle 12 for the indication roller 11 can only be effected when, during any of the next series of operations of the machine, the first spinning wheel 13 comes to a halt with the letter "O"

behind the window 17A. When this actually occurs the indication roller 11 is rotated through another 72 degrees with the effect that now the letter group "BO" appears in the window 16.

Similarly the bonus mechanism is then made to operate in such a manner that, when during the following successive series of operations the letters "N", "U" and "S" on the spinning wheel 13 come to rest, in that sequence, behind the window 17A, the indication roller 11 is rotated step-wise through angles of 72 degrees each, into positions in which it reveals the letter groups "BON" and "BONU" and, finally, the blank space 11A again.

In the following paragraphs the pay-out mechanism associated with the bonus mechanism will be described and it will be shown that this pay-out mechanism operates at the instant when the letter "S" on a card of the first spinning wheel 13 is brought to a halt behind the window 17A, and, simultaneously, the bonus indication roller 11 leaves the position wherein it shows the letter group "BONU" and assumes the starting position revealing the blank space 11A.

The bonus pay-out mechanism is located at the side shown in Fig. 7 of the spinning wheel assembly 13, 14, 15 opposite that of the selector mechanism, and it is preferably closely associated with the pay-out mechanism for the machine itself.

This pay-out mechanism comprises a number of pay-out arms 60 on a common spindle 81, each loaded by a spring 59, a series of fingers 61 each loaded by a spring 62, and a number of superposed slides 63 assembled within a magazine 65, each slide 63 being loaded by a spring 63A. Each slide 63 is normally retained in its inoperative position shown in Fig. 8, against the action of the associated spring 63A, by one of the aforementioned fingers 61. Each slide 63 is formed with a circular aperture 64 for the accommodation of one or more than one token or coin and, when in the inoperative position shown in Fig. 8, the apertures are in register with each other as well as with a tubular magazine 66 for the tokens or coins, said magazine being itself associated with the aforementioned slot 71 and coin testing mechanism.

The pay-out mechanism further comprises three discs 66, 67, and 68 rotatably coupled respectively with the spinning wheels 13, 14 and 15 in the manner shown in Fig. 13. The discs 66, 67 and 68 serve two purposes. In the first place they effect the starting of the rotation of the spinning wheels in a manner known per se when the hand lever 51 is operated. Besides this, each disc is provided with a number of apertures 95 arranged to allow the entry of a projection 96 of a selected pay-out arm 60 in predetermined pay-out positions.

Whenever the spinning wheels 13, 14 and 15 assume mutual pay-out positions behind the respective windows 17A, 17B, 17C, one or more than one selected arm 60 is made to move forward by its spring 59 towards the discs 66, 67 and 68 and to enter with its projection 96 a confronting hole or holes of the said discs. The ensuing swinging movement of the selected arm 60 about the spindle 81 causes the bottom end of said arm to remove from its normal position one or more than one finger 61, in the manner shown in Fig. 11. Thereby the corresponding slides 63 are released and are made under the action of their respective springs 63A to move into an operative position wherein the apertures 64 of the slides are in register with each other and with a chute 64A which leads to the coin outlet 77 (Fig. 1). Suitable means (not shown) return the slide or slides 63 to the normal position (Fig. 8) after a pay-out has taken place.

The bonus pay-out mechanism according to the present invention comprises a special pay-out arm 80 which also is pivotable about the spindle 81 for the aforescribed pay-out arms 60. Similarly to the arms 60, the arm 80 also is loaded by a spring 82 which tends to pull it into the pay-out position, but is counteracted by a lever 83 (Fig. 8) which, during the spinning of the wheels 13, 14 and 15, retains all pay-out arms 60 and 80 in positions in which they are inoperative.

The bonus pay-out arm 80 is provided with a pin 84 which points toward a disc 85 - hereafter termed the pay-out disc - on the spindle 12 of the indication roller 11. The bonus pay-out disc 85 is formed with a radial slot 86, and at the side facing the pin 84 the disc 85 has attached to it a masking plate 87 formed with a sector-shaped cut-out, the masking plate being resiliently held by a spring 89 in a position on the bonus pay-out disc 85 wherein an edge 88 of said cut-out just covers the radial slot 86 of the disc 85.

When the indication roller 11 is rotated by the aforescribed selector mechanism, the masking plate 87 is rotated with it. The masking plate 87, however, is so arranged on the bonus pay-out disc 85 that the pin 84 of the pay-out arm 80 enters the sector-shaped cut-out - and thus engages the pay-out disc 85 itself - when the indication roller 11 reaches the position in which it displays through the window 16 the letter group "BONU", or even at an earlier stage. The pin 84 is then in a position in which it may enter the slot 86 when the latter reaches a position opposite said pin, and thereby permit the pay-out arm 80 to be swung into its operative position. The latter action takes place at the instant when, while the letter group "BONU" is displayed in the window 16, a card on

the spinning wheel 13 showing the letter "S" comes to a halt behind the window 17A and, consequently, the indication roller 11 is moved from the "BONU" position into the next position wherein the blank space 11A is displayed through the window 16. Entry of the pin 84 into the slot 86 is rendered possible by the pin 84 itself when it engages the edge 88 of the cut-out and thereby causes the masking plate 87 to uncover the slot 86 by partial rotation relatively to the bonus payout disc 85, against the action of the spring 89.

When this occurs, the swinging out of the bonus pay-out arm 80 causes a selected finger 61 which controls the bonus pay-out, to release the associated slides 63 and thereby to effect the bonus pay-out through the chute 64A and coin outlet 77 as described above with reference to the known pay-out mechanism.

When the pay-out is completed, the pin 84 is retracted again and clears the masking plate 87 whereupon the spring 89 returns the masking plate 87 to its normal position relatively to the bonus pay-out disc 85 thereby again covering the slot 86 which then is not uncovered until the complete cycle of operations is repeated.

I desire it to be understood that I do not wish protection by Letters Patent to be limited to the aforescribed details as these are capable of modification in various ways within the scope of the appended claims.

Thus, for instance, the operating bar may be in a position different from a substantially vertical position if spring pressure is relied on for its actuation.

The selector mechanism is not necessarily designed for operation in five successive steps as the number 5 suggests itself only because the word "BONUS" is a five letter word and, moreover, since 5 is divisible into 20, i. e. into the number of cards on the spinning wheel.

If for instance the word "REWARD" is the key word for the operation of the bonus mechanism, then the selector mechanism is designed for a cycle of six operations.

Moreover it will be understood that the mechanism described is not necessarily limited to a machine incorporating three spinning wheels but may be used in connection with machines having either a larger or a smaller number of spinning wheels, having an optional number of cards.

The claims defining the invention are as follows:-

1. Amusement apparatus including a casing, a number of spinning wheels therein, a series of equidistant symbols on the periphery of said wheels, a coin- or token-freed actuating handle for setting the wheels spinning, pay-out mechanism

ism arranged to release a predetermined number of tokens or coins whenever the spinning wheels come to a halt with selected symbols on the wheels in predetermined relative positions behind a window or windows of said casing, the apparatus being further characterised by the provision of additional selector mechanism controlled by one only of said spinning wheels which carries a selected number of additional symbols in selected mutual arrangement, said single wheel being associated with control mechanism operative if and when said additional symbols come to a halt, in a predetermined sequence, in front of the window for the observation of said wheel, said selector mechanism comprising a single indication roller behind a further window of the casing, and the arrangement being such that said indication roller is rotated through a predetermined angle if and when one of said additional symbols comes to a halt in front of said first-mentioned window, in the proper sequence relatively to the remaining additional symbols, said indication roller being so operatively coupled with the pay-out mechanism that the latter releases a bonus each time said indication roller completes a full revolution from a selected starting position. (Date claimed: 17th November, 1954)

2. Amusement apparatus as claimed in Claim 1, comprising a ratchet wheel with a number of teeth, which corresponds to the number of letters of a selected keyword, and coupled for rotation with said single indication roller, a pawl for cooperation with said ratchet wheel, a selector lever associated with said pawl for cooperation with a selector disc, said disc being provided in its periphery with a notch or equivalent for receiving the selector lever or a part associated therewith and being disengageably coupled for rotation with a spindle carrying said single spinning wheel, means being provided which automatically disengage said selector disc from the spinning wheel and move it through an angle relatively to the latter, each time one of said additional symbols on said wheel comes to a halt behind the window for the observation thereof in the proper sequence relatively to the remaining additional symbols. (Date claimed: 17th November, 1954)

3. Amusement apparatus as claimed in Claim 2 wherein coupling of said selector disc to the spindle of said single spinning wheel is effected by means of a star wheel or equivalent rigidly associated with said single spinning wheel and a selector pawl pivoted on the selector disc, said star wheel having a number of interdental spaces for accommodating the operative end of the selector pawl, said number corresponding

to the number of letters of said key-word. (Date claimed: 17th November, 1954)

4. Amusement apparatus as claimed in Claim 3 including a spring so arranged in relation to said selector lever as to cause said lever to effect a partial rotation of the selector disc relatively to said star wheel, each time said lever or an associated part thereof is received by said notch or equivalent, and thereby to cause the selector pawl to engage the next inter-dental space of the star wheel. (Date claimed: 17th November, 1954)

5. Amusement apparatus as claimed in Claim 4, wherein said operating pawl and said selector lever are both mounted on an operating bar, a holding arm or equivalent being provided which is operatively associated with a further arm controlling the spinning movement of the spinning wheels, the arrangement being such that said holding arm supports the operating arm and keeps it in a position wherein the selector lever clears the selector disc while the spinning wheels of the apparatus are in rotation. (Date claimed: 17th November, 1954)

6. Amusement apparatus as claimed in Claim 5, wherein the distance of the pivot of the pawl for operating said ratchet, from the pivot of the selector lever and the length of said lever are so dimensioned that when said operating bar is supported by said holding arm, the first mentioned pawl clears the ratchet. (Date claimed: 17th November, 1954)

7. Amusement apparatus as claimed in any one of the preceding claims, including a pay-out disc coupled for rotation with said indication roller, a slot or equivalent in said pay-out disc, a pay-out arm with a pin or equivalent for engagement in said slot or the like, said pay-out arm being so associated with the pay-out mechanism of the apparatus as to operate that mechanism for effecting the pay-out of a bonus whenever said pin enters said slot or equivalent, the arrangement of said slot in relation to the indication roller being such that it faces said pin only when said indication roller reaches a predetermined position during the operation of the apparatus. (Date claimed: 17th November, 1954)

8. Amusement apparatus as claimed in Claim 7, wherein a mask is provided on said pay-out disc, said mask being in a position on said disc wherein it normally covers said

slot, resilient means being provided which permit displacement of said mask by said pin at the instant when the latter reaches said slot, said resilient means causing the return of the mask to its operative position immediately on retraction of said pay-out arm after the pay-out of a bonus has been effected, the mask thus preventing the pay-out arm from operating until the pay-out disc reaches its pay-out position again after a complete revolution of the indication roller. (Date claimed: 17th November, 1954)

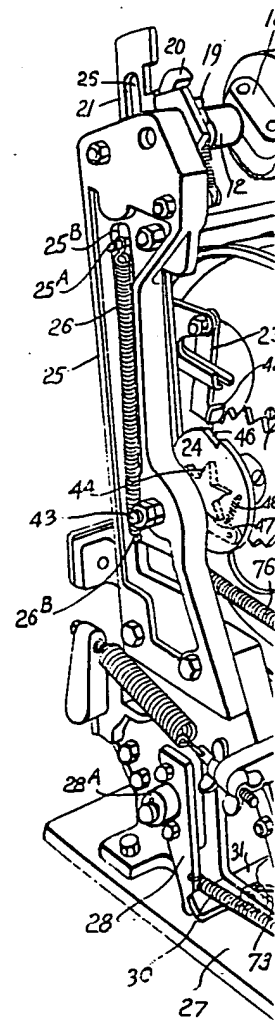
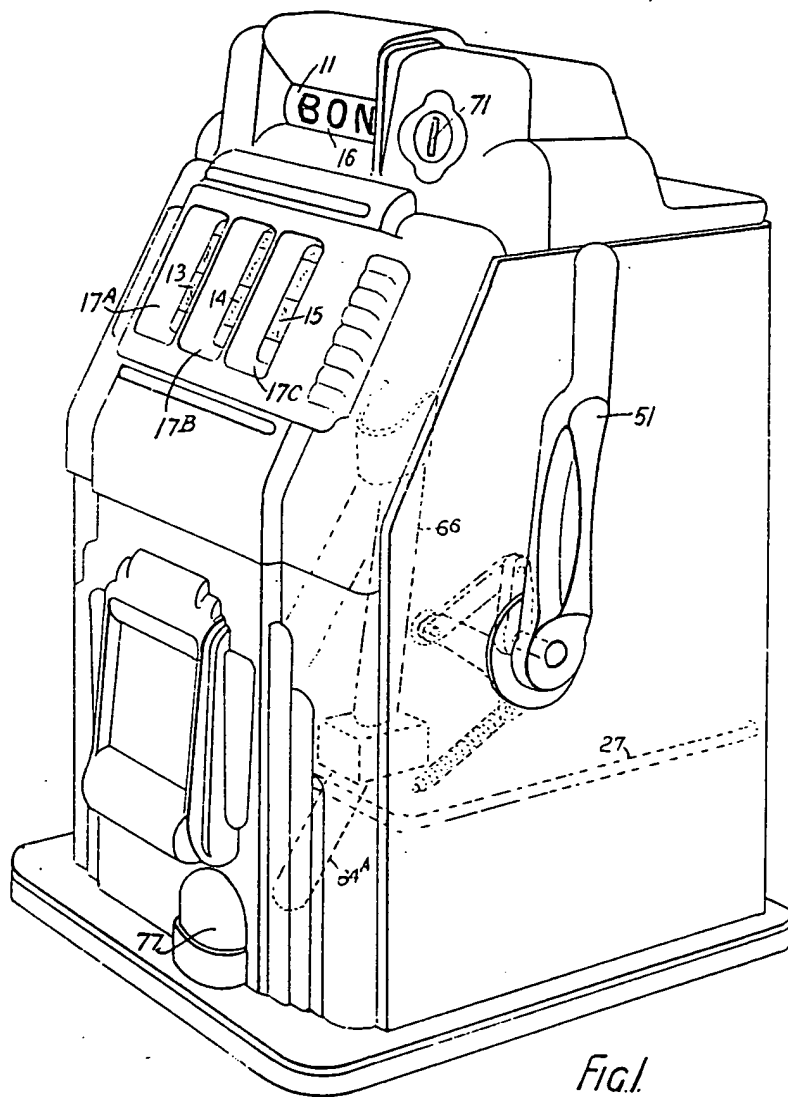
9. Token or coin-freed amusement apparatus substantially as hereinbefore described with reference to the accompanying drawings. (Date claimed: 17th November, 1954)

FREDERICK B. RICE.
Patent Attorney for Applicant.

References:

<u>Serial No.</u>	<u>Application No.</u>	<u>Classification.</u>
112,446	5414/39	55.7; 55.2
---	7906/32	55.7; 53.8
---	11,621/28	55.7

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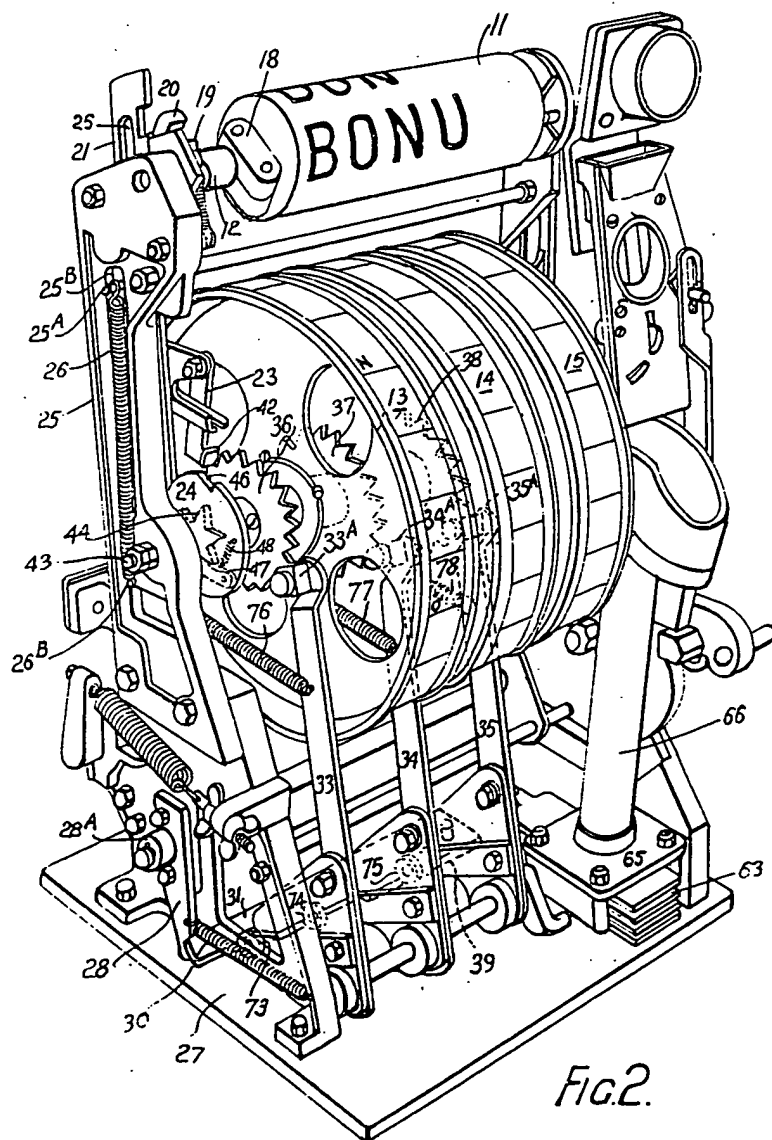


Fig.2.

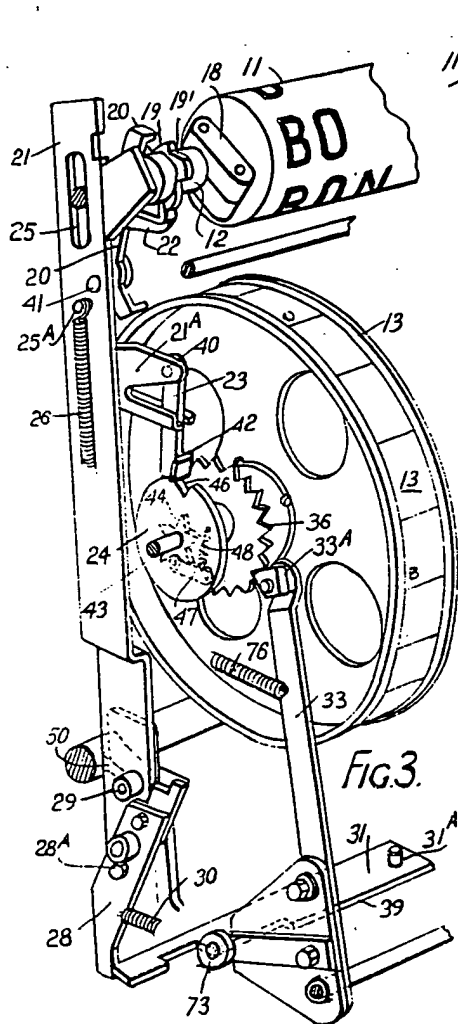


Fig. 3.

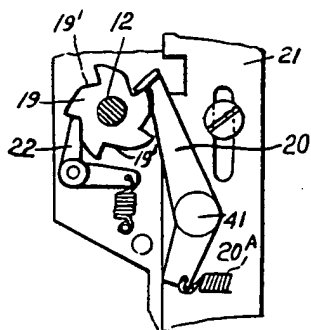


Fig. 5.

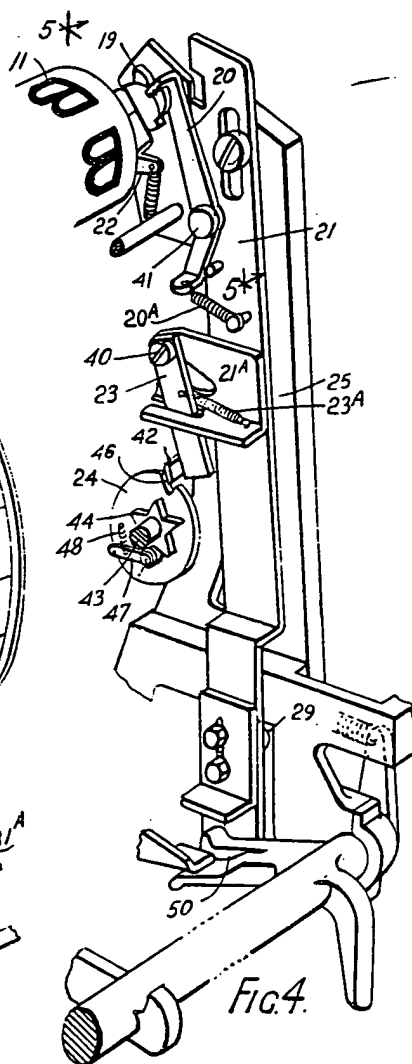


Fig. 4.

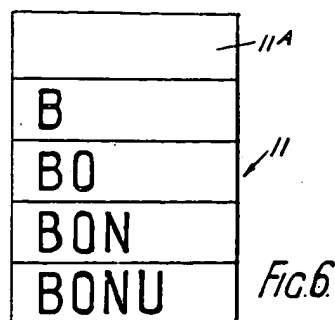
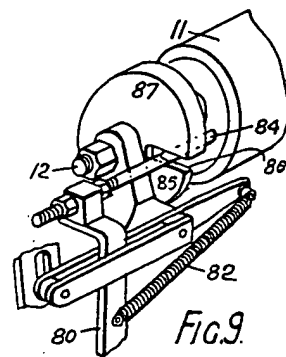
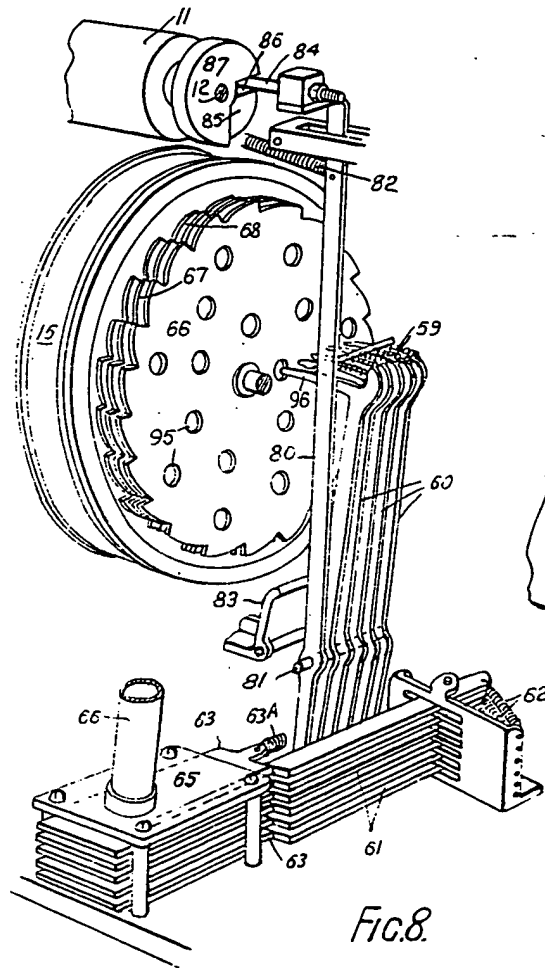
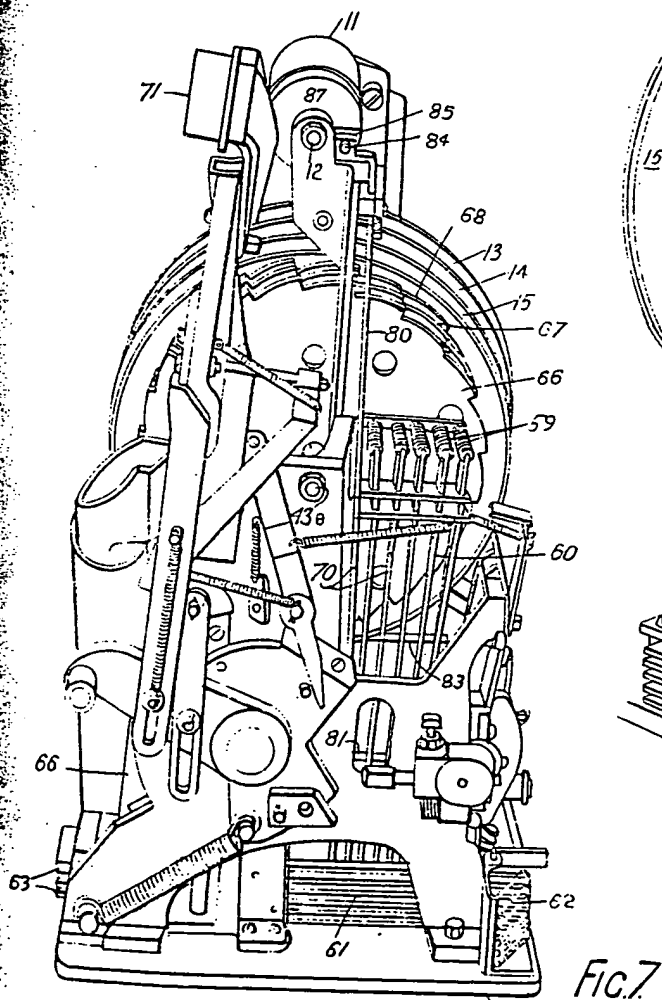


Fig. 6.



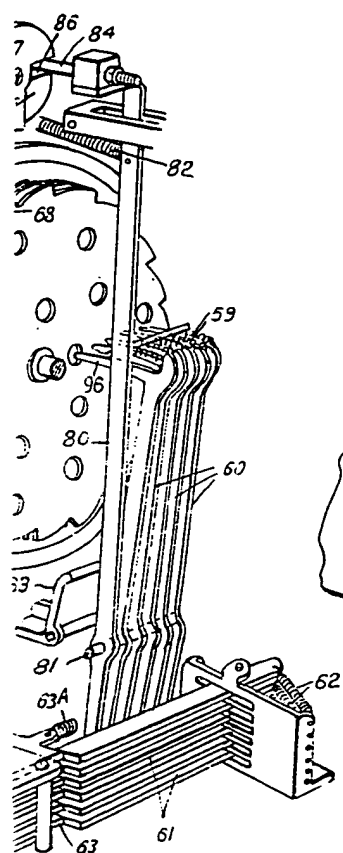


Fig. 8.

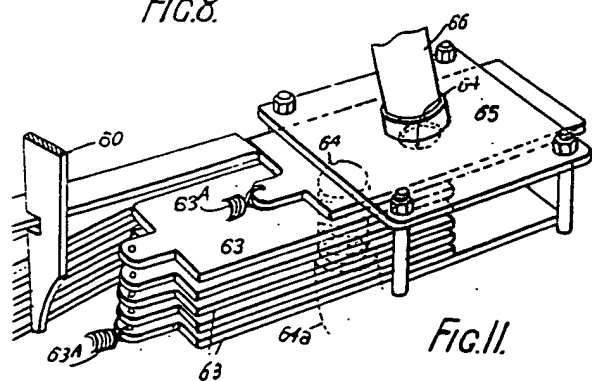


Fig. 11.

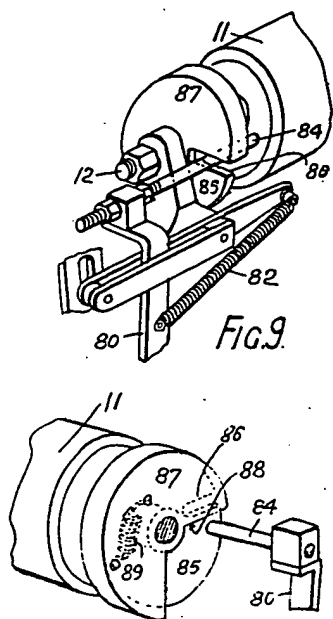


Fig. 9.

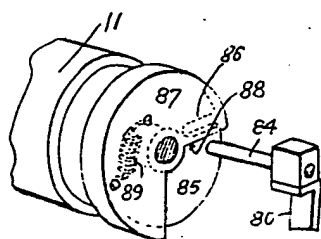


Fig. 10.

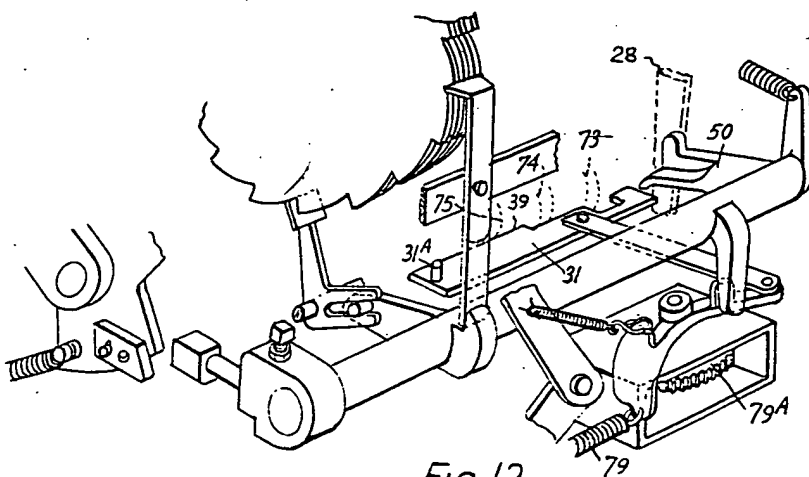


Fig. 12.

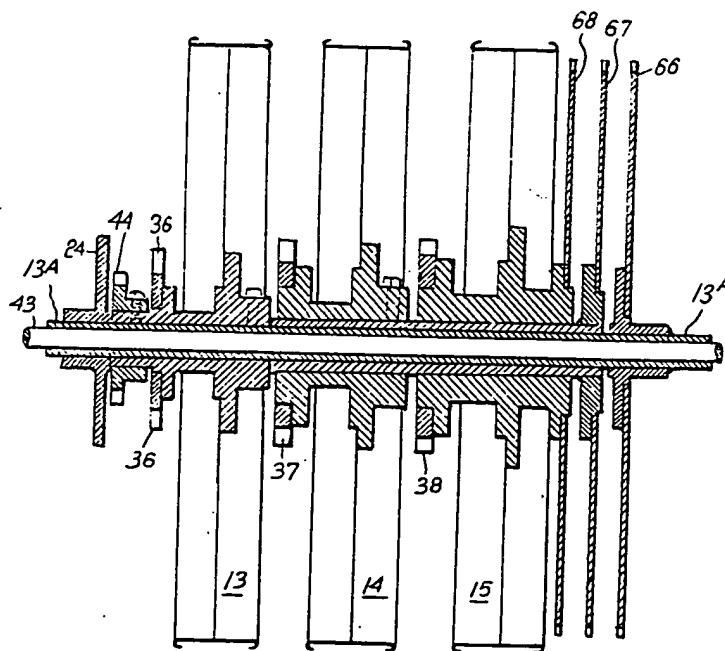


Fig. 13.